

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : 7,283,599 B1

APPLICATION NO. : 10/018,759

ISSUE DATE : October 16, 2007

INVENTOR(S) : Herbig

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 2, Line 21, delete "invention" and insert - - invention, - -, therefor.

In Column 3, Lines 38-39, in Equation (8),

$$S(\phi) = -\cos \sin \phi + \sin \phi \cos \phi - \sin \phi \cos \phi \sin \phi - \sin \phi$$
  
delete "  $\cos \phi - \sin \phi = 2 \sin \phi$  " and

insert - -  $S(\phi) = -\cos \phi \sin \phi + \sin \phi \cos \phi - \sin \phi - \cos \phi \sin \phi - \sin \phi \cos \phi - \sin \phi = 2 \sin \phi$  - -,  
therefor.

In Column 3, Line 47, delete "[-16.50," and insert - - [-16.5°, - -, therefor.

In Column 7, Line 31, delete "S11" and insert - - S1 - -, therefor.

In Column 8, Line 18, in Claim 1, delete "f(ZO)" and insert - - f(ZQ) - -, therefor.

In Column 8, Line 20, in Claim 1, delete "FO" and insert - - FQ - -, therefor.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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This collection of information is required by 37 CFR 1.322, and 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patent, P.O. Box 1450, Alexandria, VA 22313-1450.

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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 8, Line 22, in Claim 1, delete “f(ZO)” and insert - - f(ZQ) - -, therefor.

In Column 8, Line 24, in Claim 1, delete “ZO” and insert - - ZQ - -, therefor.

In Column 8, Line 29, in Claim 1, delete “ZO” and insert - - ZQ - -, therefor.

In Column 8, Line 30, in Claim 1, delete “FO” and insert - - FQ - -, therefor.

In Column 8, Line 32, in Claim 1, delete “f(ZO)=(ZO) or sign (ZO).” and insert - - f(ZQ)=(ZQ) or sign (ZQ). - -, therefor.

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IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF: U.S. Patent No. 7,283,599

USPTO CONFIRMATION CODE: 2761

APPLICATION NO.: 10/018,759

PCT FILED: June 08, 2000

U.S. FILED: March 29, 2002

EXAMINER: Khanh Tran

GROUP ART UNIT: 2611

FOR: PHASE ERROR DETECTOR FOR A QUADRATURE AMPLITUDE  
MODULATED (QAM) RECEIVER

37 CFR 1.322 & 37 CFR 1.323 REQUEST FOR CERTIFICATE OF CORRECTION  
FOR USPTO AND/OR APPLICANT MISTAKE

HONORABLE COMMISSIONER OF PATENTS & TRADEMARKS

SIR:

The following is a request for a certificate of correction in Serial Number 10/018,759, now Patent Number 7,283,599.

A certificate of correction under 35 USC 254 is respectfully requested in the above-identified patent.

The errors were the fault of both the applicant and USPTO and, accordingly, please charge \$100.00 to our Deposit Account No. 50-1379. In the event that a further fee is required, please charge the amount to the same Deposit Account.

The exact locations where the errors appear in the patent and patent application are as follows:

In Column 2, Line 21, delete “invention” and insert - - invention, - -, therefor.  
(MISCELLANEOUS INCOMING LETTER, IN THE SPECIFICATION DATED  
MARCH 29, 2002, PAGE 2, LINE 26)

In Column 3, Lines 38-39, in Equation (8),  

$$S(\phi) = -\cos \sin \phi + \sin \phi \cos \phi - \sin \phi - \cos \phi \sin \phi - \sin \phi$$
delete “  $\cos \phi - \sin \phi = 2 \sin \phi$  ” and

insert - -  $S(\phi) = -\cos \phi \sin \phi + \sin \phi \cos \phi - \sin \phi - \cos \phi \sin \phi - \sin \phi \cos \phi - \sin \phi = 2 \sin \phi$  - -,  
therefor.

(MISCELLANEOUS INCOMING LETTER, IN THE SPECIFICATION DATED  
MARCH 29, 2002, PAGE 4, LINE 20, EQUATION (8))

In Column 3, Line 47, delete “[ -16.50,” and insert - - [ -16.5°, - -, therefor.  
(MISCELLANEOUS INCOMING LETTER, IN THE SPECIFICATION DATED  
MARCH 29, 2002, PAGE 4, LINE 25)

In Column 7, Line 31, delete “S11” and insert - - S1 - -, therefor.  
(MISCELLANEOUS INCOMING LETTER, IN THE SPECIFICATION DATED  
MARCH 29, 2002, PAGE 10, BELOW TABLE, LINE 1)

In Column 8, Line 18, in Claim 1, delete “f(ZO)” and insert - - f(ZQ) - -, therefor.  
(AMENDMENTS TO THE CLAIMS DATED JUNE 13, 2007, PAGE 2, CLAIM 5,  
LINE 11)

In Column 8, Line 20, in Claim 1, delete “FO” and insert - - FQ - -, therefor.  
(AMENDMENTS TO THE CLAIMS DATED JUNE 13, 2007, PAGE 2, CLAIM 5,  
LINE 12)

In Column 8, Line 22, in Claim 1, delete “f(ZO)” and insert - - f(ZQ) - -, therefor.  
(AMENDMENTS TO THE CLAIMS DATED JUNE 13, 2007, PAGE 2, CLAIM 5,  
LINE 13)

In Column 8, Line 24, in Claim 1, delete “ZO” and insert - - ZQ - -, therefor.  
(AMENDMENTS TO THE CLAIMS DATED JUNE 13, 2007, PAGE 2, CLAIM 5,  
LINE 14)

In Column 8, Line 29, in Claim 1, delete “ZO” and insert - - ZQ - -, therefor.  
(AMENDMENTS TO THE CLAIMS DATED JUNE 13, 2007, PAGE 2, CLAIM 5,  
LINE 16)

In Column 8, Line 30, in Claim 1, delete “FO” and insert - - FQ - -, therefor.  
(AMENDMENTS TO THE CLAIMS DATED JUNE 13, 2007, PAGE 2, CLAIM 5,  
LINE 17)

In Column 8, Line 32, in Claim 1, delete “ $f(ZO)=(ZO)$  or sign  $(ZO)$ .” and insert “-  $f(ZQ)=(ZQ)$  or sign  $(ZQ)$ . -”, therefor.  
(AMENDMENTS TO THE CLAIMS DATED JUNE 13, 2007, PAGE 2, CLAIM 5, LINE 18)

The requested corrections are attached on Form PTO 1050.

Respectfully Submitted

Dec. 22, 2008

DATE

/SIDNEY L. WEATHERFORD, Reg#45602/

Sidney L. Weatherford  
Registration No. 45602  
Attorney of Record